Serial No. 09/525,090

IN THE CLAIMS

Please make the following claim substitutions:

1. (Canceled)

2. (Canceled)

3. (Canceled)

4. (Canceled)

5. (Canceled)

6. (Canceled)

7. (Currently amended) A method for use in a node of a network comprising:

transmitting location information of the node to other nodes of the network that are a part of a local topology of the node, wherein said location information comprises a global position represented by at least two coordinates,

transmitting a location list to nodes of the local topology that are adjacent, wherein the location list comprises location information of at least some of the nodes of the network, and

~~The method of claim 5~~ wherein at least one of the transmitting steps is periodically performed.

8. (Canceled)

9. (Previously presented) Apparatus for use in a node of a network, the apparatus comprising:

a global positioning system receiver for determining location information of the node;

a memory for storing a location list comprising location information for other nodes of the network, wherein said location information comprises a global position represented by at least two coordinates; and

a communications interface for transmitting, at different times, the determined location information of the node, and the stored location list, to at least one other node of the network.

10. (Canceled)

11. (Canceled)

12. (Currently amended) A method for use in a node of a network comprising:

storing location information of other nodes of the network, wherein said location information comprises a global position represented by at least two coordinates,

exchanging the stored location information with adjacent nodes of the network, and

~~The method of claim 1,~~ wherein said node stores a local topology and said node stores said location information of other nodes within and outside said local topology.

13. (Previously presented) The method of claim 12, wherein said node uses a geometry-based routing protocol to transmit said location information to nodes outside of said local topology.

14. (Previously presented) The method of claim 13, wherein said node determines a distance from a destination node outside of said local topology to nodes in said local topology using said geometry-based routing protocol and said location information to identify the closest node in said local topology for routing to said destination node.

15. (Currently amended) The method of claim 12 ~~4~~, wherein said node determines said coordinates from information received from a global positioning system.

16. (Canceled)

17. (Previously presented) The method of claim 12, said local topology of said node being nodes located within a predetermined number of hops from said node.

18. (Previously presented) The method of claim 17, wherein said local topology of said node comprises a first set of nodes having a point-to-point link to said node and a second set of nodes having a point-to-point link to a node in said first set of nodes.

19. (Canceled)